

Use Attainability Analysis

for

WBID 3425 Hogan's Fork

Submitted by BWR

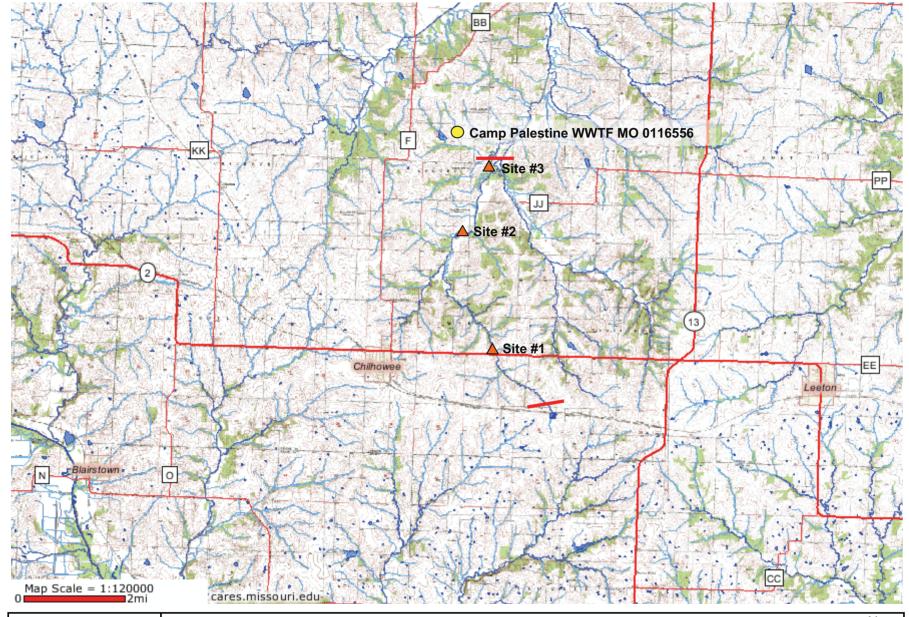
July 11, 2007

Submitted to:
Missouri Department of Natural Resources
Division of Environmental Quality
Water Protection Program

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Information (For water body being survey	(ea)
Water Body Name (from USGS 7.5' quad):	Dajoun's Fork
Missouri Water Body Identification (WBID) Number	r: 3425
8-digit HUC: 10 300104	County: Johnson
Upstream Legal Description (from Table H):	7,44N, 26W
Downstream Legal Description(from Table H): /	Nouth
Number of sites evaluated 3	······································
List all sites numbers, listed consequently upstream t	to downstream:
3,2,1	
te Locations Map(s): Attach a map of entire segmenty other items that may be of interest. Subegmentation (fill this section out only in cases)	·
LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJE	CTION, IN METERS)
Upstream Coordinates:	Downstream Coordinates:
UTM X Y	UTM X Y
HORIZONTAL COLLECTION METHOD (Indicate the method used to determine Global Positioning System (GPS)	the locational data.) Interpolation
Static Mode	Topographic Map or DRG
Dynamic Mode (Kinematic)	Aerial Photograph or DOQQ
Precise Positioning Service	Satellite Imagery
Precise Positioning Service Signal Averaging	Satellite Imagery Interpolation Other
Signal Averaging Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE	Interpolation Other
Signal Averaging Real Time Differential Processing	Interpolation Other
Signal Averaging Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE	Interpolation Other
Signal Averaging Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE GPS Data Quality	Interpolation Other Interpolation Data Quality
Signal Averaging Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE GPS Data Quality FOM ± Meters	Interpolation Other Interpolation Data Quality
Signal Averaging Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE GPS Data Quality FOM ±Meters EPE ±(Feet or ±Meters	Interpolation Other Interpolation Data Quality Source Map Scale: 1:24,000 1:100,000 Other ±Feet or ±Meters
Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE GPS Data Quality FOM ±Meters EPE ±Feet or ±Meters PDOP Discharger Facility Information (list all permitted delication) Discharger Facility Name(s):	Interpolation Other Interpolation Data Quality Source Map Scale: 1:24,000 1:100,000 Other ±Feet or ±Meters
Signal Averaging Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE GPS Data Quality FOM ±Meters EPE ±Feet or ±Meters PDOP Discharger Facility Information (list all permitted delibertation) Discharger Facility Name(s): COMP PAUSTINE WWTF	Interpolation Other Interpolation Data Quality Source Map Scale: 1:24,000 1:100,000 Other ±Feet or ±Meters
Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE GPS Data Quality FOM ±Meters EPE ±Feet or ±Meters PDOP Discharger Facility Information (list all permitted delication) Discharger Facility Name(s):	Interpolation Other Interpolation Data Quality Source Map Scale: 1:24,000 1:100,000 Other ±Feet or ±Meters Iischargers on the stream)
Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE GPS Data Quality FOM	Interpolation Other Interpolation Data Quality Source Map Scale: 1:24,000 1:100,000 Other ±Feet or ±Meters Iischargers on the stream)
Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE GPS Data Quality FOM	Interpolation Other Interpolation Data Quality Source Map Scale: 1:24,000 1:100,000 Other ±Feet or ±Meters Iischargers on the stream)
Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE GPS Data Quality FOM	Interpolation Other Interpolation Data Quality Source Map Scale: 1:24,000 1:100,000 Other ±Feet or ±Meters Dischargers on the stream)





Hogan's Fork WBID #3425



WBID#_	3425
Site#	/

Field Data Sheets for Recreational Use Stream Surveys Data Sheet B - Site Characterization

					(must be	completed	d for each	site)		
	Date & Time:	5/	21/200	ラチ		Site Loc	cation Descri	ption (c.g	., road crossing):	
	Personnel (Data (Collectors):	Alon	MIFE	hellett	BRID	BRIDGE CROSSING @ HWY 2 (E. OF CHILHOWEE)			
	Current Weather	Conditions	· Clo	25	,	Facility	Facility Name: COUMP POURTING INVITE			
	Weather Condition	ons for Past				Permit 1	Number:	,	NO OIIVE	50
	Drought Conditio	ns?: No di	ought 🗹:	Phase I	l; Phase II 🗆	; Phase III 🗆	l; Phase IV []; Unkno	own 🗆	
Si	te Locations:			•	<u> </u>					- <u> </u>
	LOCATION COORD	MATES (U	VIVERSAL T	RANSVER	SE MERCATO	R PROJECTION	M, IN METERS) ^y -		
	Site GPS Coord				81504	(3W)	Y: 38.	,594	84°N	
	HORIZONTAL COL					etermine the lo	cational data.)		10 1 <u>2</u> 27	
	Static Mode	Giobai	Positioning	System (C	3PS)	1	Topographic	Man or Di	Interpolat	ion
	Dynamic Mode (Kine	ematic)				 	Aerial Photo			
	Precise Positioning	Service					Satellite Ima			
	Signal Averaging						Interpolation	Other		
	Real Time Differentia	al Processing					T			
	HORIZONTAL ACC	URACY EST	IMATE /	, g , 1	· . s : p = + e		49 34 PM, F	, Sarr, La		
			GPS Data	Quality					Interpolation Da	ta Quality
	FOM ±Meters				Source	e Map Scal	le: 1:24,000 1:100,	000 Other		
	EPE	±	Fee	etor±	Meters	3		±_	Feet or ±	Meters
	PDOP	.					<u> </u>			
۲n	otos:	•								
	Up	stream Pho	otos		· · · · · · · · · · · · · · · · · · ·	Downstream	Photos		<u></u>	Other Photos
	Photo ID#	Pho	oto Purpose	}	Photo ID#		Photo Purpose		Photo ID#	Photo Purpose
	100-0003				100-000, 100-002	-				
Us	es Óbserved	: (Uses a	actually	observe	d at time o	f survey.)				
	☐ Swimming		☐ Skin	diving	□ s	CUBA divin	g	☐ Tubi	ng	☐ Water skiing
	☐ Wind surfing		☐ Kayal	king	☐ Boating			☐ Wading		☐ Rafting
	☐ Hunting	_	☐ Trap		☐ Fishing			None of the above		☐ Other:
	Use Interview wh	en conduct	ting intervi	ews.)						se Data Sheet D- Recreational
	rrounding Co usual items of in		s*: (Mar	k all tha	t promote o	or impede r	ecreationa	l uses. A	Attach photos	of evidence or
	☐ City/county p	arks	☐ Playg	grounds	☐ MDC c	onservation la	ands	☐ Urba	n areas	☐ Campgrounds
	☐ Boating acces	ses	☐ State	parks	☐ Nation	al forests		□ Natyı	e trails	☐ Stairs/walkway
	☐ No trespass sig	gn	☐ Fence	e	☐ Steep s	lopes		None	of the above	☐ Other:
	Comments:									
Inc	lications of H	uman U	se*: (at	tach pho	otos)					
	☐ Roads	☐ Rope s	swings	☐ Foot	paths/prints	□ Dock/	platform	☐ Liv	estock Watering	□ RV / ATV Tracks
	☐ Camping Sites	; 		☐ Fire p	it/ring	☐ NPDE	S Discharge	☐ Fi	shing Tackle	☐ Other:
	Comments:				N.					· ————

February 5, 2007 JUM. 5/2//07

				To Chan	ivel Feating
опошни погразов	-	•	and the state of t	RUN: 70 RIFILE POOL!	7000 7000
Upstream View'	s Physical Dimensions: 1	_	-	ew? ☑Yes ☐ No	•
Salast and of the	following channel featur	If so, is there an o	obvious current?	☑Yes □ No	
Channel Feature	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RIFFLE	()	77.44.2.	Dengar (m)	Wedian Deput (iii)	Max. Depth (III)
RUN	0	5	100	0.2	0-3
POOL					
	w's Physical Dimensions following channel featur	If so, is there ar	ter present at this		
Channel Feature RIFFLE	Distance from access (m)	Width (m)	Length (m)	Median Depth (m)	Max. Depth (m)
RUN	0	G	100	0-5	0-7
POOL		-5	/ <u>- // </u>	() = U	
Substrate*: (These	values should add up to 100)%.)	····		
% Cobbl	le % Gravel	% Sand	10 % Si	lt 90 % Mud/Clay	% Bedrock
Water Characteri	Sporte No.				
Odor:	☐ Sewage ☐ Musl	ky 🗆 Chem	ical 🏻 Nor	ne 🗆 Other:	
Color:	☑ Clear ☐ Gree	n 🗆 Gray	☐ Mil	ky 🛘 Other:	
Bottom Deposit:	☐ Sludge ☐ Solid	ls 🗆 Fine s	ediments 🛮 Nor	ne 🔲 Other:	
Surface Deposit:	□ Oil □ Scun	n 🗆 Foam	_ Ø Noı	ne 🗆 Other:	
*This information is no comprehensive underst decision on the recreati Please verify that yo	attach any additional control to be used solely for remove anding of water conditions. Son use analysis but may point to have completed all second and the solely s	val of a recreational Consequently, this at to conditions that ctions, checked all	use designation but information is not need further analy applicable box	intended to directly influences or that effect another es and that everythin	ence a use. g is complete.
				r	

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

3425 #1

	27 27 71-1			
	Distance from	Depth	Rank	Assigned Rank Sorted depth
	Stream edge			(Riffle, Run, or Paol?)
	Wetted width	- <0e1		1
_	2 / 700 m	100	,	2
T_A	3	0.1		3
	4	0.1		4 DO: 8=23-pom,
	5 interval	0.2		5 86-2
	6 Oct WI	0.2		6 17-2 00
	7	0.1		7
	8	0-1		8
	9	0.1		9
	10	01		10
	1 Wested 10ids	11 <0-1		11 DO READING
	2 4.0 m	0.1		12 8-12
	3 Jatoryal	0.2		13 68-3
	4 0.4 14	0.2		14 17.1 00
B	5	0.3		15
. 5	0	0.3		16
	7	0.2		17
	8	0.2		18
	9	0.2		19
	10	<0.		20
	1 Wettod Widt	h 500/		21 DOREADING
	2 3.0 m 3 Interval	0.1		
	3 Interval	0./		22 7-43 PPM 23 77-2 %
	4 0.3 W	0.1		24 /7./
1 c	4 0.3 W	0.1		25
_	6	0.1		26
	1	0.2		
	8	Oil		
	9	0.1		
	סו	<oel< td=""><td></td><td>n</td></oel<>		n
				~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Clay M. Milestell	Date: 1/1/2/21, 2007
Organization: FAE A.	Position: Eur. Euge
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Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	Distance from	Depth	Rank	Assigned Rank	Sorted depth
	Stream edge				
[Welted Width	KO.1		1 50 4	E#51163
2	3.0 M	0.1		2 7 2	
3	Listerval	0 = !		3 32.7	Pouls
4	0.3 11	0.2		4 17.1	0/0
5		0-2		5	
5 9		0.2		6 (PU)	V)
7		0.2		7	
٤		0.2		8	
9		0.2	· · · · · · · · · · · · · · · · · · ·	9	
10		<0.1		10	
ı	welled width	KO:1			READINGS
2 3 4	7.0 M	10-1		12 7.2	O somical
3	1 terus	<0.1 <0.1		13 84.	10 ==16-11 1 96
4	0.7 VA			14	
5		50.1		15 RU	M)
V	,	~ (). /		16	/
7		·0.1		17	
P		0.1		18	
9		O. C		19	
10	1) off: 1 11 101.	50.1		20	
1		<0.1			REALIFERS
2 3	5.0 11	0-2		22 6.0	61 EUU 126
٦		0-5		23 7/. </td <td><u> </u></td>	<u> </u>
.5°		0.3 0.3		24 17-	/ / 22
6	,	0.3 0.3		26 PO	
8		0.2.			
0		0.	· · · · · · · · · · · · · · · · · · ·		
11	2	Ori		n	
• 1		1,2 # 1			-
					

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Alando Stadel	Date: <u>War</u> 21, 2007
Organization: <u>EAF</u> /MC-	Position: Eur Eggy
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

3425	11
×	- 6

		Di di	75 4			
		Distance from	Depth	Rank	Assigned Rank	Sorted depth
		Stream edge	<u> </u>		* ** ** **	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1	i	Wothed Width	0.1	,	1 00 KEA	PIN612
16	2	4.0 m	0.2		2 6.50	pour pour
	3	MAZERY RA	0./		3 70.2 4 17-2	9/0
	4	N	0.1		4 17-2	1. A.
	5		0.1		5	
			Oc !		6 R4N	
	٦		0.1	 _	7	
	8		0.2		8	
	9		We!		9	
	10	24. 64.	<0,1		10	
	į	Widted Wide			11 DO K	EADING
•	2 3 4	7.5 M	0.3		12 (00%)	3 9-71 95 92
1	3	Instaryall	0.4		13 6B.4	951
		0. \$ MI	0.4			Company Company
	5		0.2		15	
	6		0.3			74
	7		0.3		17	
					18	
	9		Olik		19	
	10		232		20	
	ſ	Westernia	£ <0.1		21 DO . T	EADENS
	2 3	5,5 M	0.2		22 6051	have the entry
	3	Interval	0.4		23 68.4	<u> </u>
-	4	0-5 H-1			24 17.1	1,000 mg
	5		0.3		25	
	Ø		0,3		26 F000	
	7		0-3			
	8		0,3			
	9		0-3		•	
	10)	50.1		n	
				<u> </u>		

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: May Withtell	Date: 9110121,2007
Organization: EAE INC	Position: Jun. Fugar
February 5, 2007	Page 25

Data Sheet C – Cross-Sectional Depth Measurements (for estimation of median depth)

		Distance from	Depth	Rank	Assigned Rank	Sorted depth
		Stream edge	colis col		1	THE KIND WILL
_	ı	WETTED WIL			$\frac{1}{2}$	READING
,	2 3	X-J M	20.1		2 G-98 3 73-3	3 prin
	.3	14-5 MM INTERVAL ONY MI	<0.1		3 (2-3	
	4	Class shir	<0./		4 17-2	
	45.0		0-1		5	,
			() e (6 RUH	<u> </u>
	7		<u> </u>		7	
	8		<0./		8	
	9		<0.		9	
	10	11 Al- 11 Ad A	× 0.		10	
	l	Welled Wid + M	<0.1		11 50	
	2	200	<0.1		12 6-46	190
- <	3 4	Interval	0.1		13 69.6	<u> </u>
		0-2.11	0.1		14 17.2	
	5		0.1			
	9		0.1		16	/\/
	7		0.1		18	
	8		0.1		19	
	iV		CO. 1		20	
	, ,			 	21	
		-			22	
					23	
					24	
					25	
					26	
						· · · · · · · · · · · · · · · · · · ·
					n	
					1 .	

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: 1 Cause Witchell	Date: May 22, 200'
Organization: EAF, MC-	Position: Sull English
February 5, 2007	Page 25

WBID#_	3425		
Site#	9		

Field Data Sheets for Recreational Use Stream Surveys Data Sheet B - Site Characterization

(must be completed for each site) Site Location Description (e.g., road crossing): Date & Time: BRIDGE BS SW UNIT RD Personnel (Data Collectors): 40 Facility Name: COMP PUBLINE NAME Current Weather Conditions: Weather Conditions for Past 10 days: 1/10 0110 5510 Permit Number: Drought Conditions?: No drought ☑: Phase II □: Phase III □: Phase IV □: Unknown □ Site Locations: LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS) Site GPS Coordinates: UTM X: 93.82 417°W HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the locational data.) Global Positioning System (GPS) Interpolation Static Mode Topographic Map or DRG Dynamic Mode (Kinematic) Aerial Photograph or DOQQ Precise Positioning Service Satellite Imagery Signal Averaging Interpolation Other Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE **GPS Data Quality** Interpolation Data Quality FOM Meters Source Map Scale: 1:24,000 1:100,000 Other EPE ±. Feet or ± Meters ± _____Feet or ± ____ Meters PDOP Photos: Upstream Photos Downstream Photos Other Photos Photo ID# Photo Purpose Photo ID# Photo Purpose Photo ID# Photo Purpose Uses Observed*: (Uses actually observed at time of survey.) □ Swimming ☐ Skin diving ☐ SCUBA diving ☐ Tubing ☐ Water skiing ☐ Wind surfing ☐ Kayaking ☐ Boating ☐ Wading ☐ Rafting ☐ Fishing None of the above ☐ Hunting ☐ Trapping Other: Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use Data Sheet D- Recreational Use Interview when conducting interviews.) Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.) ☐ City/county parks ☐ Playgrounds ☐ MDC conservation lands ☐ Urban areas ☐ Campgrounds □ Boating accesses ☐ State parks ☐ National forests ☐ Nature trails ☐ Stairs/walkway None of the above ☐ No trespass sign ☐ Fence ☐ Steep slopes Other: Comments: Indications of Human Use*: (attach photos) ☐ Roads ☐ Rope swings ☐ Foot paths/prints ☐ Livestock Watering ☐ Dock/platform ☐ RV / ATV Tracks ☐ Camping Sites ☐ Fire pit/ring ☐ NPDES Discharge ☐ Fishing Tackle ☐ Other: Comments:

February 5, 2007 All M 5/2//0

				To Chani	-el Feati
age Two – Data eam Morpholog	Sheet B for WBID #	: <u>3425</u> :	site 2	RUN: 85 RIFFLE: POOL!	0%
Jpstream View's	Physical Dimensions:	Is there any water	present at this view		. (0
	C. 11	If so, is there an	obvious current?	☑Yes □ No	
Channel Feature	Distance from access (m		Length (m)	Median Depth (m)	May Doub (-)
RIFFLE	30	2	30		Max, Depth (m)
RUN	 			0-/	0-2
POOL					
elect one of the i	following channel feat	If so, is there a	n obvious current?	✓ Yes □ N Median Depth (m)	
RIFFLE				1 22 3227	1
RUN	0	6	100	0.2	0-4
POOL					
	None				•
ter Characteris	tics*: (Mark all that app	l., \			
Odor:	☐ Sewage ☐ Mu		ical 🖸 None	☐ Other:	
Color:	☐ Clear ☐ Gre				
Bottom Deposit:	□ Sludge □ Sol		ediments None	· · · · · · · · · · · · · · · · · · ·	
Surface Deposit:	□ Oil □ Sci	ım □ Foam	None	☐ Other:	
is information is not prehensive understation on the recreations werify that you	attach any additional to be used solely for rem unding of water conditions on use analysis but may po u have completed all s	oval of a recreational . Consequently, this bint to conditions that ections, checked a	use designation but a information is not interest in the need further analysis. It applicable boxes	tended to directly influe s or that effect another to and that everything	ence a use. g is complete.
eyor's Signature:	Matter Att	ledstlf	Date of Survey	y: May 21, 2	007
ашианоп: 💪 🖊	F/ Why	<u> </u>	_ Position: چے درہے	ared -	

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	_3405 til			
	Distance from	Depth	Rank	Assigned Rank Sorted depth
	Stream edge		ļ	(Riffle, Run, or Paol?)
	1 Wetted widtn=	40.1		1
خسي	2 4.5 m	60a	,	2 Eliv
TA	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0-1		3
		0.2		
	5	0.3	<u> </u>	4 DU: 7.02 ppm,
	4 5 υ	0.3		6 7.4 %
	7	0.2		7
	8	0.2		8
	9	1,000	,	9
	10	1001 30x1		10
	1 Wetbal Widt	1 KO01		11 120
	2 7.5 M	0.2		(4)
	2 7.5 W 3 10 10 (Vel	0 - 3		12 7.19 PAUL 13 76-76 34
-	4 6.7 14	0.3		14 17.3
B	5	02/		15
. 47	0	0.1		16
	7	< Dal		17
	8	<0.1		18
	9	50.1		19
	01	0.1		20
~	· Wetter Will	<0.1		21 /0
	2 4.5 111	0.2		57 1/3
	2 4.5 M	0.3		22 (e 1) 1 services 23 76 o V 0 6
<u> </u>		0.3		24 16-9 6
1	4 0-4 n	0.5		25
	Ø	0.4		26
	\$ 7 8 9	0.5		
	8	0-4		
	9	0.3		
	Ö	<0,1		n

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Q:-	ed: Clarks Withell	Date: 41/00/21, 2007
	uization: EAE /NC.	Position: Eur Euro
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Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	Distance from	Depth	Rank	Assi	gned Rank	Sorted depth
		F		11331	Bully Harrie	Dorice depui
	Stream edge 1 Westled Width	1 40.1		1	100	
	2 5 50 M	0.5 0.5 0.5	,	2	7.36	time report that
,	3 lunferval 4 De5 men	003		3	78-6	2/
,	4 205 Men	M. F. T.		4	17-0	00
	<u> </u>	0.5		5	•	
i	グ	0.5		6	PODL	
	コ	1 014		7		
	۶	0.3		8		
	9	3-2		9		
	0	w. 17p 1		10		
	1 Wested Widt	4 40.		11	DO	
	2 2.0 111	× ,*>,		12	70-2 78-2 17-5 KUN	P. W. O. S.
•	3	0.1		13	78.2	0%
	4	0.1 0.2- 0.2- 0.2- 0.2-		14	17-5	Copt
_	5	<u> </u>		15	RUM	
	<i>V</i>	0, 2		16		
	7	Q. 7.		17		
	8	C.:		18		
	9			19	-	
<u>t</u>	10	1 00, 1		20		
	1 Wotted Widt			21	<u>D</u> 0	
	2 100 111 3 Interval	9.639		22	7-47	9 15 M
		0.1		23	78-	
	4 <u>0.4 M</u> 5	0.3 0.3		24	107 = 1	·
		0.9		26	* H X	<u> </u>
	6	<i>0.2</i>	· · · · · · · · · · · · · · · · · · ·	20		
	8	5.0		1.1		
	9	13.52		- : -		
	10	40-1		n		
		74. **		<u> </u>	 -	
				<u> </u>		-

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Ola W. W. Litell	Date: 4/100 7
Organization: E4E, /MC	Position: Gun Fundo
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

		347 10					
		Distance from	Depth	Rank		Assigned Rank	Sorted depth
		Stream edge	<u>-</u>			J	1
	1	Wo Stod Width	<0e/			1 100	
Te	2	100 W	10-1	, , , , , , , , , , , , , , , , , , , ,		2 7.45	<i>\$21.11.1</i>
0	2	juterical	0-2			3 79.0	FLMI
	4	0-4 M	0-2			4 17.2	67
	5		0.3			5	<u> </u>
	5		0,3			6 RUN	
	٦		0.3			7	
	8		0.2			8	
	9					9	
	iO		< 24			10	
	1	Noved Wilter	<0.1			11 00	
_		4.0 111	0.2			12	Marien
 	2 3 4	Interval	0-4		 	13 79-0	Disul Dia
	ų	D-4 111	0-4 0-4			14 17-1	190
	5		0.5			15	
	6		0.5			16 RUY	
	Ť		0.4			17	
	7		100			18	
	9		0.0			19	
	ĠĮ		0.1			20	
	1	Welled Width	<0,1			21	
_	2	1000 W	0.1			22 7.51.	6- del
Γ	234	Interval	0.1			23 7/-6	E. W
<u>ı</u>	4	O+ Go liberton	0.3			24 7-36	70
	5		0.3			25	
	Ū		12.54			26 POC) (marin
	7		0.5		_		-
	8		0.4			•	
	9		M. E			•	
	10)	< 0.			n	
	•					,	
						-	

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

I, the undersigned, hereby affirm t	o the best of my knowledge	, that all information r	eported on this UAA
datasheet is true and accurate.			_

Signed: Haelle Hetalell	Date: Word 21, 2007
Organization: EAE, /uc-	Position: Ew. Engluces
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

		Distance from	Depth	Rank	Assigned Ran	k Sorted depth
		Stream edge	_			
J	1	West of Width	<0.1		1 50	
J	2	20 M	< 0 . /	,	1 DO 2 7.6 3 81-3 4 17-5	rest all
	2	Interval 0.2 in	<000		3 81-8	7 124 10/2 0/2 - 50
	J	0.2 121	<0.1		4 17.5	- 60
	5		0.1		5	· ·
	2375.9		0.1		6	11
	7		Oel		7	
	8		0.1		8	
	9		ე.,/		9	
	10		<0.1		10	
	1	Wetted Widter	0 - 1		11 DO	
	12		0.2		12 7. 7	5 pre
- K	<i>3</i>	luterval	0.3		13 Bio 4	0/2
K	4	Ood w	0.3		14 17.5	00
•		·	0.3		15	
	Ø	·	D-3			< U hm/
	7		0.2		17	
	8		0.2		18	
	9		0.1		19	
	IV		1000		20	
					21	
					22	
					23	
					24	
			 		25	
					26	
			1			
			 		<u> </u>	
			<u> </u>		- · ·	
			 	 	n	

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Mache Mathelli	Date: 14/1007
Organization: FAE, M.	Position: Eur Zange
February 5, 2007	Page 25

WBID#	.3425	
Site#	8	

February 5, 2007

Field Data Sheets for Recreational Use Stream Surveys Data Sheet B - Site Characterization

(must be completed for each site) Site Location Description (e.g., road crossing): Date & Time: 5/21/0 BRIDGE CROSSING @ 800 PD Personnel (Data Collectors): Alow Current Weather Conditions: Facility Name: Counce foliasing work Weather Conditions for Past 10 days: Permit Number: MO 0114554 Drought Conditions?: No drought □; Phase II □; Phase III □; Phase IV □; Unknown □ Site Locations: LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS) Site GPS Coordinates: UTM X: 93-8236/°W HORIZONTAL COLLECTION METHOD (Indicate the method used to determine the locational data.): Global Positioning System (GPS) Interpolation Topographic Map or DRG/ Dynamic Mode (Kinematic) Aerial Photograph or DOQQ Precise Positioning Service Satellite Imagery Signal Averaging Interpolation Other Real Time Differential Processing HORIZONTAL ACCURACY ESTIMATE **GPS Data Quality** Interpolation Data Quality FOM Meters Source Map Scale: 1:24,000 1:100,000 Other EPE Feet or ± Meters ± _____Feet or ± ____Meters PDOP Photos: Upstream Photos Downstream Photos Other Photos Photo ID# Photo Purpose Photo ID# Photo Purpose Photo ID# Photo Purpose 11812 13214 Uses Observed*: (Uses actually observed at time of survey.) ☐ Swimming ☐ Skin diving ☐ SCUBA diving ☐ Tubing ☐ Water skiing ☐ Wind surfing ☐ Kayaking ☐ Boating ☐ Wading ☐ Rafting None of the above ☐ Trapping ☐ Hunting ☐ Fishing ☐ Other: Describe: (Include number of individuals recreating, photo-documentation of evidence of recreational uses, etc. Use Data Sheet D- Recreational Use Interview when conducting interviews.) Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.) ☐ City/county parks ☐ Playgrounds ☐ MDC conservation lands ☐ Urban areas ☐ Campgrounds ☐ Boating accesses ☐ State parks □ National forests ☐ Nature trails ☐ Stairs/walkway None of the above ☐ No trespass sign ☐ Fence ☐ Steep slopes ☐ Other: Comments: Indications of Human Use*: (attach photos) ☐ Roads ☐ Rope swings ☐ Foot paths/prints ☐ Dock/platform ☐ Livestock Watering ☐ RV / ATV Tracks ☐ Camping Sites ☐ Fire pit/ring ☐ NPDES Discharge ☐ Fishing Tackle Other: Ho evidence of human core Comments:

Page 23

						To Chair	rei Fento.
						RUAL! 10	2000
* Dogo T D-4-	- Chast D fam	Width #	2.125			RIFFLE POOL:	0107
* Page Two – Data Stream Morpholo	a Sneet B 10r ' av:	MRID #	3777:			Poor	
				nrecent of	t thic view	Yes No) (0
opsilvani view	or Lysical Dilli						
Select one of the	following chan		f so, is there an o	obvious ci	urrent?	☐ Yes □ No	
Channel Feature	Distance from		Width (m)	Leng	th (m)	Median Depth (m)	Max. Depth (m)
RIFFLE							, , , , , , , , , , , , , , , , , , , ,
RUN	0		10	₹.(2	0.5	0.1
POOL							
Downstream Vie			If so, is there ar				
Channel Feature RIFFLE	Distance from	access (m)	Width (m)	Leng	th (m)	Median Depth (m)	Max. Depth (m)
RUN	0		10	<u>-</u>	00	0.5	0-5
POOL		·					
Substrate*: (These		d up to 100%	b.)				1,
5 % Cobbl	le % (Gravel	% Sand		% Silt	95 % Mud/Clay	% Bedrock
Water Characteri	None	141-4 1->					
Odor:	☐ Sewage	i mat appiy.) □ Musky	☐ Chemi	ical	☑ None	☐ Other:	
Color:	☐ Clear	☐ Green	☐ Gray			☐ Other:	
Bottom Deposit:	□ Sludge	☐ Solids	☐ Fine se	ediments	2 None	Other:	
Surface Deposit:	□ Oil	□ Scum	☐ Foam		None	☐ Other:	
*This information is no comprehensive underst decision on the recreati Please verify that you surveyor's Signature Organization:	of to be used solely anding of water con use analysis be to have comple	y for removal onditions. Co ut may point ted all secti	of a recreational onsequently, this to conditions that ons, checked al	use desigr informatio need furth	n is not inte er analysis ble boxes	ended to directly influe or that effect another u	nce a se. is complete.
		f		- LOSITION	11. <u>Addition</u>	The Art Art	

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	Distance from	Depth	Rank	Assigned Rank Sc	rted depth
	Stream edge			(Riffle, Run, br	
	1 Wetted widtn= 2 800 m	10.1		1	
T	2 8.0 m	0.2		2	
T_A	3	0-2		3	
	2 8.0- m 3 4 Tustecval	0.2 0.2 0.2		4 DO: 6-13	-ppm,
	5 0.8 W	0.2 0.3 0.3		5 91-7	
	· Ø	0, 3		6 /8-4	00
	7	0,3		7	
	8	0.2		8 01	
	9	0.1		9	
	10	<.0.1		10	
	1 Wotted Width			11 DO	
	2 3.5 W	KO-1		12 8.67	-41
	3 Lexuel	0.2		13 9/-8 9	-di
T	4 0.3	0.2			C.
B		0-3		15	
	0	0.3 0.5 0.2		16 17 RVIV	
	7	0.5			
	8	O a Lone		18	
	10	0.1		19	
		20-1	200.7 000.00	20	
	1 Wortland Wint	'. <0.'		21 pa	
	2 3,5 m			22 8,34	ete Ul
		<p. 1<="" td=""><td></td><td></td><td></td></p.>			
	4 0.3 WI	5.			. ~
1 C	2	0.2		25	
	7	0.2		26	
	8	0.2		· Rin	
	9	0.2			
	10	60.1		n	
				<u> </u>	
	<u> </u>				

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Matchell	Date: May 21, 2007
Organization: Elam, in Ca	Position: Eur. Ecroser
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

	3415 #3 Distance from	Depth	Rank	Assigned Rank	Sorted depth
	Stream edge				
į	VestodWid+V	<0.1		1 >0	
2 3	8.0 m	⊘ •/	,	2 8,64	PIDM
3		0.2		3 92.7	PIDU 05
4		0./		4 18-5	06
<u>.</u>	5	O. E.		5	
Ü	o	0.2		6	
-		0.2		7	
9		Oil		8	<u> </u>
C	1	KO01		9	
i		<0.1		10	
l	Wolfed Wild 1			11 00	
3	7.0 W	0.2		12 5/19	Pru
ક	3 W	0,3 0-3		13 9/	%
(,	 			14 /8./	ec.
2ے		0.3		15	
		0.8 0.8 0.2		16	
]	2.5		1/	
8	·	Cold,		18	
9		2.1		19	
ţĊ	I WAST FINE	-< O+		20	
	1 Wetter Wild	20.		21 70	
	2 6.3 44 3 Interval	0.2	_	22 8.57	pues 17
	, ,	Stock-		23 9/. 2	E Company
		0.3		24 /8.2	or C
_	i	0.3 04 04		25	
	0 7	0.9		26	
		(V)			
	8	0.1			
	al	<0.1		1 1.	1

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

n

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Alaso Millell	Date: 4/1007
Organization: FAE, La	Position: Eur. Log of
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

		nce from	Depth	Rank	Δ 06	gned Rank	Sorted depth
		m edge	Depai	Kaik	ASSI	gned Kank	Soried deput
	1 1/20	to duli dela	<00 l			Do	
- , ,	2 12(32)	tod Width	Oals		$\frac{1}{2}$	8.8/	and the same of the
7	2 2	C_ Mark	0.8		3	20-81 23-5	20 mg
	4		0-6 0.8 0.8		4	18-0	Da.
			OoB		5		
	5		0,5		6	PU	N
	7		0.6	+	7		
	8		N.3 0.2		8		
	9		0.2		9		
	10		<0.1	<0.7	10		
	1 Upit	ed Nidth	<0.1		11	10	
	2	5.0	0.1		12	9-09	and the
ŧ	3		0.2		13	96-9	100 M
			0.2		14	1800	Com.
	5		0.3		15	53./1	,
	Ø		0.2		16	RUN	
	7		0.2		17		
	8		0.2		18		
	9		011 Kr.1		19		
	1, 1	ted Width	40.1		21	70	
	, , , , , , , , , , , , , , , , , , , ,	KO W	0,1		22	9-14	
!	2 1	Ferva 1	مخدر ن	- 	23	98-3	
	2 12		0.4		24	18.5	D MI
	3		0.0		25		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	0		0.3		26	RUM	/
	7		0,9				
	8		0,3				
	9		0-2				
	10		40.1		n		
					,		-

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: Hollo Milalill	Date: 1/101 21, 2007
Organization: EAS. Wee.	Position: Euro Euro
February 5, 2007	Page 25

Data Sheet C - Cross-Sectional Depth Measurements (for estimation of median depth)

		3407 dby Distance from	Depth	Rank	Assigned Rank	Control double
		Stream edge	Берш	Kank	Assigned Rank	Sorted depth
,	1	Wested Widay	<001		1 120	
J	2	J. 5	0.0	,	2 8.83	2.74
	2	hitex val	0-3		3 96-5	195
	Ţ	0.5	0-2 0-3 © 3		2 8.83 3 96-5° 4 /8.3	10 gr 111
	5		0-5		5	
	31 4°57.50		Ø.<		6 RUN	
	7		,		7	
	8		0.3 0.3 0 .2		8	
	9		2.5		9	
	W		3.2		10	
	1	Nosted Widson 7.5 M Intector 0.7 M	70.1 0.2 0.3		11 00	
	2	7.0 M	0-2		12 9.60 13 105.1	West.
	3	Interior	0.3			190 20
K		0.7 MJ	0.3		14 20lo	0,2
	5		0-3 0-3		15	
	Ø		0-5		16 RUN	
	7				17	
	8		8-7 50-		18	
	10 10				19	
	•				21	
					22	
					23	
					24	
					25	
					26	
			-		n	
						_
		,	<u> </u>		-	

If there is an odd number of entries find middle rank [(n+1)/2]. The corresponding sorted value depth to the middle rank is the median depth.

If there is an even number of entries, the median depth corresponds to the arithmetic average of the two depth values surrounding the middle rank.

Signed: No Mitchell	Date: Mar 21, 2007
Organization: EAE, Mc-	Position: Full Fredly
February 5, 2007	Page 25

Jose bedar Acresa 1

Field Data Sheet for Recreational Use Stream Survey

Stream Name HOGAN'S FORK (WBID# 3425)
I. Introduction
Date & Time (include AM or PM): 4:00 pm 5-18-07
Interviewed: In person By phone By mail (NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)
Interviewee selected because (e.g., house next to stream; standing by stream, etc.) Property
Interviewer introduction to Interviewee: "My name is, I work for(name of your employer), and I am collecting information on how people use(name of the stream)" ASK: 1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)
Legal name: Wally DZULA Current mailing address: 986 360 4018 RA. CHILHOURE, Mo Daytime phone number: (660) 909-2729 E-mail address (optional):
2.a.) Do you live in this area? Yes No If yes, how many years? 7915
2.b.) If you don't live nearby, are you still familiar with this stream? Yes No If yes, how many years? If no, thank the individual for taking the time to talk to you and conclude the interview.
3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No If yes, proceed to "II. Personal Use?". If no, proceed to Section V.
II. Personal Use? 1.) Have you or your family personally used the stream for recreation since November 28, 1975? Yes No If yes, proceed to #3. If no, proceed to #2.
2.a.) List reasons stream not used.
2.b.) Proceed to "III. Witnessed Use?".
3.) How do you use the stream?

Whole Body Contact Recreation
Swimming Tubing Snorkeling/Skin Diving Water Skiing
If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:
4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
4.b.) Where, exactly? Describe specific location and mark on the map (See map requirements
the protocol).
Secondary Contact Recreation
Fishing Wading Boating Trapping Other: List:
If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:
4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
4.d.) Where, exactly? Describe specific location and mark on the map (See map requirements the protocol).
III. Witnessed Use?
1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?".
2.) What kinds of uses have you witnessed?
Whole Body Contact Recreation
Swimming Tubing Snorkeling/Skin Diving Water Skiing
Tet 4. ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:
2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

the protocol)	ctly? Describe specific location and mark on the map (Seemap requirements i
	Secondary Contact Recreation
Fishing Wa	ling Boating Trapping Other: List:
If Interviewee witne	ssed SCR use since Nov. 28, 1975, ask the following questions:
2.c.) When (e.g., ye	r(s)?; season?; only after a rain?) and how often (times/year)?
2.d.) Where, example the protocol)	ctly? Describe specific location and mark on the map (Seemap requirements i
IV. Anecdotal	Isp?
or done yourself, If yes, pro If no, that	rd about anyone using this stream since Nov. 28, 1975 for recreation – not see but just heard about it? Yes No ceed to #2. k the individual for taking the time to talk to you and conclude the interview. uses have you heard about?
	Whole Body Contact Recreation
Swimming 🗌	Tubing Snorkeling/Skin Diving Water Skiing
lf Interviewee h	ard of WBCR use since Nov. 28, 1975, ask the following questions:
	e uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
nap requirements:	? Describe specific location and mark on the map (See at the

February 5, 2007

Secondary Contact Recreation
Fishing Wading Boating Trapping Other: List:
If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:
2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol).
V. Others to Contact?
Can you recommend someone else we could contact that knows the stream? Yes No If yes, that person's contact info (name, address, phone, directions?)
If no, thank the individual for taking the time to talk to you and conclude the interview.
VI. Additional Comments
1.) From the Interviewee:
CALL FIRST
2) Francisco Ind.
2.) From the Interviewer:
VII. Information on Interviewer
Has interviewer been trained by Missouri DNR to conduct UAA Interviews? Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): On-line training seminar?
Followed Interview Instruction Sheets?
Other
Interviewer Information:
Signature:Printed Name:
Employer (where applicable):
Interviewer's phone #: E-mail:

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview
Stream Name HOGAN'S FORK (WBID # 3425)
I. Introduction
Date & Time (include AM or PM):
Interviewed: In person By phone By mail (NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)
Interviewee selected because (e.g., house next to stream; standing by stream, etc.) **ROPERTY OWNER**
Interviewer introduction to Interviewee: "My name is, I work for(name of your employer), and I am collecting information on how people use(name of the stream)" ASK: 1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.) \[\text{Yes} \text{ No } \text{ If yes, list contact information for the interviewee below:} \] Legal name: \[\text{Darker } \text{All C} \] Current mailing address: \(365 \) \(500 \) \(678 - 357 \) E-mail address (optional):
2.a.) Do you live in this area? Yes No If yes, how many years?
2.b.) If you don't live nearby, are you still familiar with this stream? Yes No If yes, how many years? If no, thank the individual for taking the time to talk to you and conclude the interview.
3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No If yes, proceed to "II. Personal Use?". If no, proceed to Section V.
 II. Personal Use? I.) Have you or your family personally used the stream for recreation since November 28, 1975? If yes, proceed to #3. If no, proceed to #2.
2.a.) List reasons stream not used.
2.b.) Proceed to "III. Witnessed Use?".
3.) How do you use the stream?

Whole Body Contact Recreation
Swimming Tubing Snorkeling/Skin Diving Water Skiing
If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:
4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
(unes/year):
4.b.) Where, exactly? Describe specific location and mark on the map (See map requirements in the protocol).
Secondary Contact Recreation
Fishing Wading Boating Trapping Other: List:
Dist.
If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:
4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
4.d.) Where, exactly? Describe specific location and mark on the map (See map requirements in the protocol).
III. Witnessed Use?
1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?".
2.) What kinds of uses have you witnessed?
Whole Body Contact Recreation
Swimming Tubing Snorkeling/Skin Diving Water Skiing
If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions: 2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

the protoco	e, exactly? Do	escribe specifi	c location and	mark on ti	ne map (Seemap	requirements in
				<u> </u>		<u></u>
			dary Contact	Recreation	!	
Fishing	Wading	Boating	Trapping	Other:	List:	
If Interviewe	e witnessed SCR	use since Nov. 2	8, 1975, ask the	following que	estions:	
2.c.) When ((e.g., year(s)?; seasor	n?; only after a rain?)	and how often	(times/year)?		
		<u> </u>				
		· <u> </u>				
2.d.) Wher the protoco	e, exactly? D	escribe specifi	c location and	mark on t	he map (Seemap	requirements in
IV. Aneco	lotal Use?					
If ye	es, proceed to	neard about it	? Yes L	_] No	8, 1975 for recre	eation – not seen
	ind of uses hav			o talk to y	ou and conclude	the interview.
····		Whole	Body Contact	Recreation	1	7
Swimming		Tubing 🗌			ving Water	Skiing [
If Interviev	vee heard of '	WBCR use si	nce Nov. 28, 1	975, ask ti	ne following que	estions:
		e place (e.g., year(s)?; season?; only afte	er a rain?) and	now often (times/year)?
map requiren	nents in the		ation and mark		(See	
					- <u></u>	

February 5, 2007

Secondary Contact Recreation
Distinct March 1981 And 1981 A
F
If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:
2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol).
V. Others to Contact?
Can you recommend someone else we could contact that knows the stream? Yes No If yes, that person's contact info (name, address, phone, directions?)
If no, thank the individual for taking the time to talk to you and conclude the interview.
VI. Additional Comments
1.) From the Interviewee:
2.) From the Interviewer:
2.) From the interviewer:
VII. Information on Interviewer
Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
Yes \(\) No If yes, how (check all that apply).
Workshop? (if so, enter date):
On-line training seminar?
Followed Interview Instruction Sheets?
Other
Interviewer Information:
Signature: Printed Name:
Employer (where applicable):
Interviewer's phone #: E-mail:
- L-IIIdII,

February 5, 2007

Field Data Sheet for Recreational Use Stream Survey

Stream Name HOGANIS FORK (WBID# 3425)
I. Introduction
Date & Time (include AM or PM):
Interviewed: In person By phone By mail (NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)
Interviewee selected because (e.g., house next to stream; standing by stream, etc.)
Interviewer introduction to Interviewee: "My name is, I work for(name of your employer), and I am collecting information on how people use(name of the stream)" ASK: 1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.) Yes No If yes, list contact information for the interviewee below: Legal name: / howers / h
Current mailing address: 996 5w 40/5 Rb, CHIL HOWEL, An Daytime phone number: (400) 678-2002 E-mail address (optional):
2.a.) Do you live in this area? Yes No If yes, how many years?
2.b.) If you don't live nearby, are you still familiar with this stream? Yes No If yes, how many years? If no, thank the individual for taking the time to talk to you and conclude the interview.
3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No If yes, proceed to "II. Personal Use?". If no, proceed to Section V.
 II. Personal Use? 1.) Have you or your family personally used the stream for recreation since November 28, 1975? Yes No If yes, proceed to #3. If no, proceed to #2.
2.a.) List reasons stream not used.
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2.b.) Proceed to "III. Witnessed Use?".
3.) How do you use the stream?

Whole Body Contact Recreation
Swimming Tubing Snorkeling/Skin Diving Water Skiing
If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:
4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
4.b.) Where, exactly? Describe specific location and mark on the map (See map requirements in the protocol).
Secondary Contact Recreation
Fishing Wading Boating Trapping Other: List:
Other
If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:
4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
4.d.) Where, exactly? Describe specific location and mark on the map (See map requirements in the protocol).
III. Witnessed Use?
1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?".
2.) What kinds of uses have you witnessed?
Whole Body Contact Recreation
Swimming Tubing Snorkeling/Skin Diving Water Skiing
If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions: 2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

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the protocol)	tly? Describe specific	c location and	mark on t	the map (Seemap requirements in
				
	Secon	dary Contact I	Recreation	n
Fishing Wadi		Trapping	Other:	List:
If Interviewee witness	sed SCR use since Nov. 28	8, 1975, ask the fo	ollowing au	estions:
			· <u></u>	
2.d.) Where, exact the protocol	tly? Describe specific	c location and	mark on i	the map (Seemap requirements in
<u>IV. Anecdotal L</u>	<u>lse?</u>			
If yes, proc If no, thank	out just neard about it:	Yes L] No	28, 1975 for recreation – not seen ou and conclude the interview.
	Whole)	Body Contact)	Recreatio	on .
Swimming [iving Water Skiing
If Interviewee hea	ard of WBCR use sir	ice Nov. 28, 19	975, ask t	the following questions:
				how often (times/year)?
map requirements in	? Describe specific locathe			
		 		-

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Secondary Contact Recreation
Fishing Wading Boating Trapping Other: List:
If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:
2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol).
V. Others to Contact?
Can you recommend someone else we could contact that knows the stream? Yes No If yes, that person's contact info (name, address, phone, directions?)
If no, thank the individual for taking the time to talk to you and conclude the interview.
VI. Additional Comments
1.) From the Interviewee:
2.) From the Interviewer:
VII. Information on Interviewer
Has interviewer been trained by Missouri DNR to conduct UAA Interviews? Yes No If yes, how (check all that apply): Workshop? (if so, enter date):
On-line training seminar?
Followed Interview Instruction Sheets? Other
Interviewer Information:
Signature: Printed Name:
Employer (where applicable): Interviewer's phone #: F-moil:
Interviewer's phone #:

Memo from Alex Bartlett, BWR, 9/12/07

MDNR Comment:

West Region

#3425 - Hogan's Fork - Sites 2 & 3 map positions do not match UTM provided. UTM for Site 3 = Site 2 map location. Site 3 map location does not have corresponding UTM. Site 2 UTM does not appear on map.

Response:

#3425-Hogan's Fork Site # 1 was accessed from the road crossing of HWY 2 (just east of SW 351st Rd. – east of Chilhowee approximately two miles.) According to Google Earth, the UTM should be 38.5914, 93.8130 (42914, 4271749). Site # 2 was accessed from the road crossing of SW 401st Rd. (just south of the intersection of SW 875th Rd. and SW 401st Rd.); the UTM should be 38.6257, 93.8236 (428308, 4275564). Site # 3 was accessed from the road crossing of SW 800th Rd; the UTM should be 38.6458, -93.8143 (429136, 4277782). Because I did the fieldwork for this stream, I know the access points are correct. I'm unsure how the discrepancies with the maps and UTMs occurred, but the UTMs provided in this response should be very close to the actual site locations in the field. Attached is a hard copy of the gazetteer map I used in the field to locate road crossings for the identified stream segment. The road crossings are circled and numbered according to the site number.

Comment on Hogan's Fork (#3425)

During a phone interview for East Fork Post Oak Creek (#932), the landowner (Mark Irle) commented, "People don't seem to use Hogan's Fork. I don't know why."

Anne Peery March 24, 2008 12:36 p.m.



Downstream (Site #1) of Hogan's Fork.



Upstream (Site #1) of Hogan's Fork.



Downstream (Site #1) of Hogan's Fork.



Upstream (Site #1) of Hogan's Fork.



Upstream (Site #1) of Hogan's Fork.



Upstream (Site #2) of Hogan's Fork.



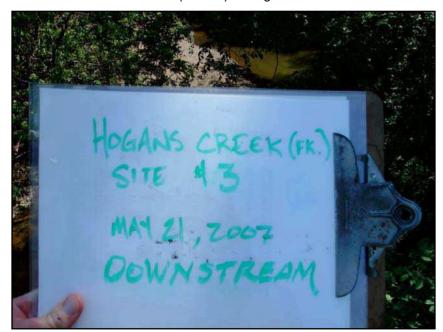
Upstream (Site #1) of Hogan's Fork.



Upstream (Site #2) of Hogan's Fork.



Downstream (Site #2) of Hogan's Fork.



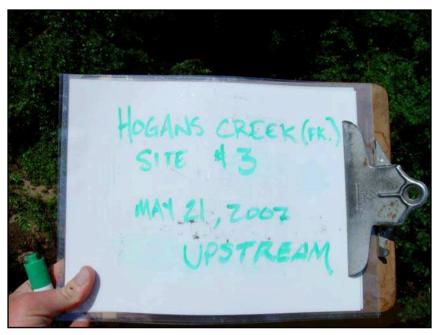
Downstream (Site #3) of Hogan's Fork.



Downstream (Site #2) of Hogan's Fork.



Downstream (Site #3) of Hogan's Fork.



Upstream (Site #3) of Hogan's Fork.



Upstream (Site #3) of Hogan's Fork.